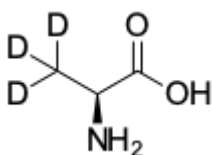


## L-Alanine-d3

<http://hk.lumiprobe.com/p/l-alanine-d3>

L-Alanine-d3 is the deuterium-labeled L-alanine and is intended for use as an analytical reference standard in GC- or LC-MS.

L-Alanine ( $\alpha$ -alanine) is a nonessential amino acid with a key role in human protein synthesis. L-alanine is an amino acid that serves as a pre-modulator for ligands, particularly pyridine derivatives, facilitating their binding to metal ion centers in the formation of metal-organic frameworks (MOFs). Accumulation of  $\alpha$ -alanine reduces the production of pyruvate in glycolysis by inhibiting pyruvate kinase and thus prevents consuming glucose in the liver. Alanine also serves a major role in transporting amino acid nitrogen from tissues to the liver for disposal in the urea cycle.



外观:

分子量: 92.11

分子式:  $C_3H_4D_3NO_2$

溶解度:

质量控制: NMR  $^1H$  和 HPLC-MS (95+%, D: 98+%)

储存条件:

法律声明: 本產品僅供研究目的提供和銷售。本產品並未經過食品、藥品、醫療器械、化妝品等領域的安全性和效力測試，且未經明示或暗示授權用於其他任何用途，包括但不限於體外診斷、人類或動物用途，以及商業用途。